

SUBJECT: MA Model Power Unit

DATE: February 19, 1932

## TO ALL DISTRICT OFFICES:

The attached Bulletin illustrates and describes the detail of the MA Model Power Unit No. 30-794x2. This unit is similar, with few exceptions, to the LA Model Power Unit No. 27-794x1 which is covered in Machine Service Bulletin No. 106.

THIS UNIT NO. 30-794x2 IS NOT INTERCHANGEABLE WITH UNIT NO. 27-794x1.

MA Models of recent manufacture contain the 30-794x2 which supersedes Motor Unit 30-794 which is illustrated and described in Machine Service Bulletin No. 116 on Plates 64 and 78.

Machines of this model in the field, which are equipped with 30-794 motors, are in every respect as efficient and reliable as those equipped with the 30-794x2. Therefore, there is no reason for converting such machines and installing 30-794x2 with the single exception that emergencies may necessitate equipping them with a motor of a different specification which cannot be supplied from Orange in the 30-794 type. Where this is absolutely necessary, proceed in accordance with the following instructions:

Requisition from Orange one 30-794 of the specifications required. If this is not available, we will substitute the following:

1	30-794x2	Complete Power Unit
1	30-790 $\frac{1}{2}$ x1	Motor Plate
1	2939	Sun Pinion
1	3614x1	Bracket for contact screws
1	3704 $\frac{1}{2}$	Motor coupling shaft
1	2845	Collar for 3704 $\frac{1}{2}$
1	2761	Set screws for 2845
1	37-668 $\frac{1}{2}$ x1	Rear Cover Case Complete
2	66	Lock Washers
1	K15	Screw
1	K78	Nut
1	K752 $\frac{1}{4}$	Screw

## INSTRUCTIONS COVERING INSTALLATION

Remove cover case complete and bottom pan.  
Remove motor 30-794.  
Remove bracket for contact screws 3614 and disconnect it from cable 30-797.  
Remove motor bracket 30-790 $\frac{1}{2}$ .  
Remove driven coupling 3739 $\frac{1}{4}$ .  
Remove sun pinion 3735.



INSTRUCTIONS COVERING INSTALLATION - Continued

Install sun pinion 2939 which replaces 3735.  
Attach bracket for contact screws 3614x1 to cable 30-797.  
Assemble motor plate 30-790 $\frac{1}{2}$ x1.  
Assemble 3614x1 to 30-790 $\frac{1}{2}$ x1.  
Assemble collar 2845 to shaft 3704 $\frac{1}{4}$ .  
Assemble shaft 3704 $\frac{1}{4}$  with collar attached, to motor shaft.  
Assemble motor unit 30-794x2 together with shaft and collar into the machine.

Adjust contact springs 2988 to bracket 3614x1 as explained in Machine Service Bulletin No. 106.

Adjust collar 2845 (F) with Plate (G).

~~Adjust contact bracket assembly 30-795 with governor contact arm (C).~~

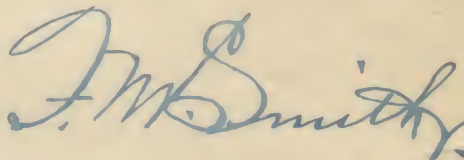
Adjust speed of machine in accordance with instructions in Machine Service Bulletin No. 99.

Install new rear cover case plate 37-668 $\frac{1}{2}$ x1 replacing 37-668 $\frac{1}{2}$ .

Reassemble complete cover case and bottom pan to base of machine.

Machines can be re-equipped with their original motor by reversing the operations outlined in the foregoing with the exception that plate 30-790 $\frac{1}{2}$ x1 is interchangeable and does not need replacing.

The list price of the MA Model Motor Unit is \$27.50 subject to the usual discount.



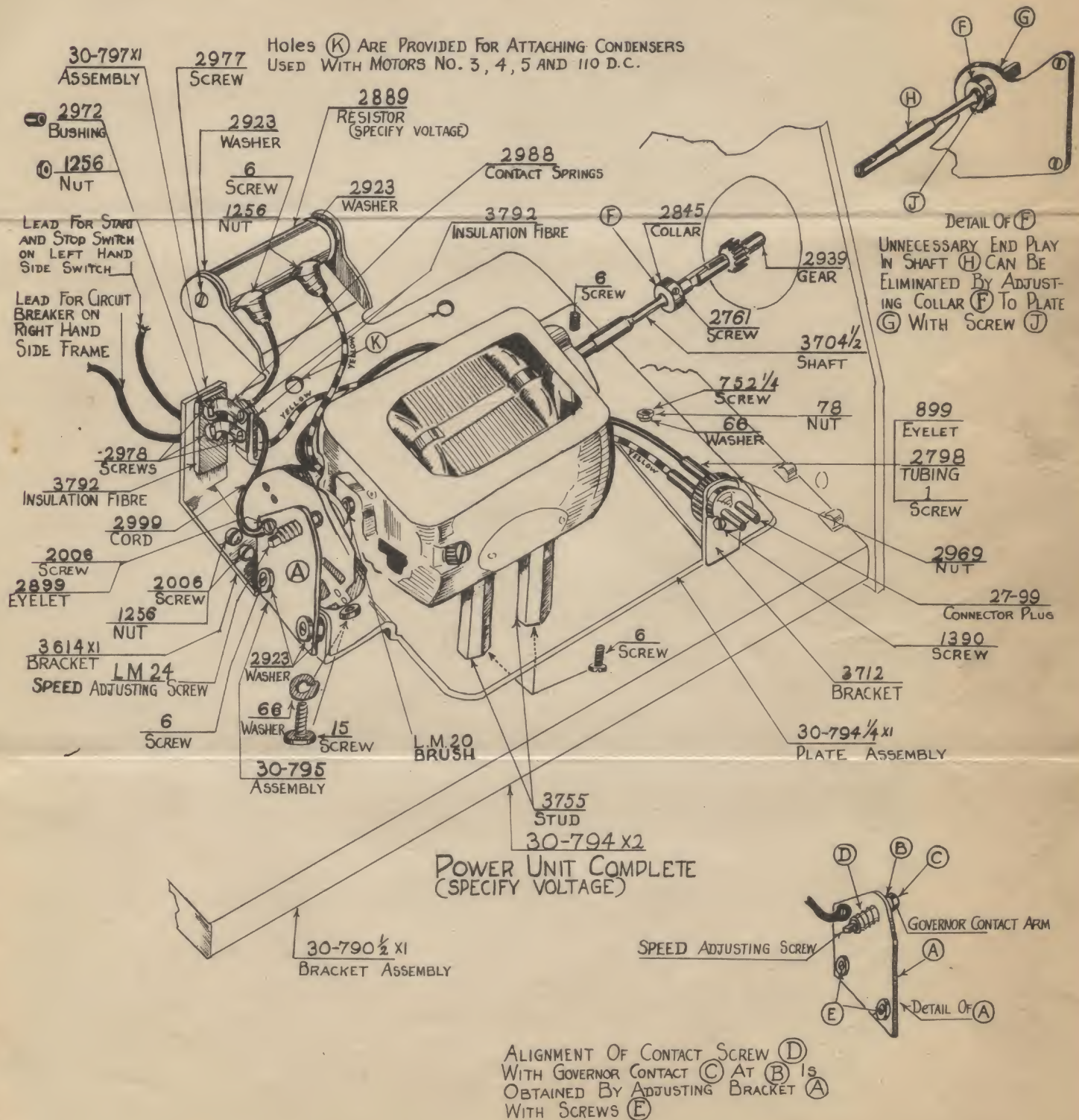
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General Service Manager



# MACHINE SERVICE BULLETIN POWER UNIT FOR M.A. MODEL

NO. 127  
30-794 X2



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Toledo, Ohio.

MASSACHUSETTS  
POWER UNIT FOR M.A. MODEL

